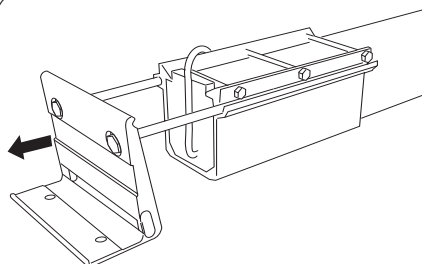
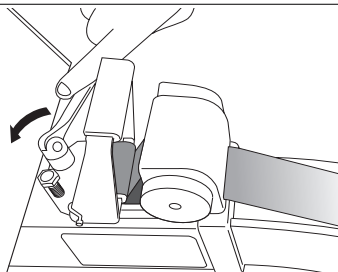


Assembly Instruction Monteringsanvisning

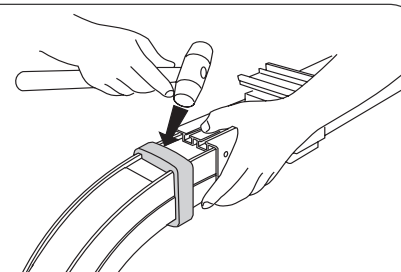
Prod. No. 20090078



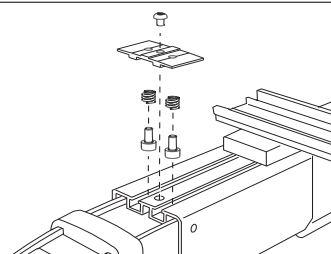
13. Remove the mast attachment.



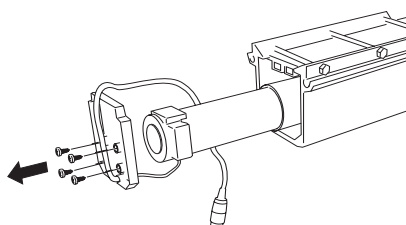
14. Remove the Em. lowering device.



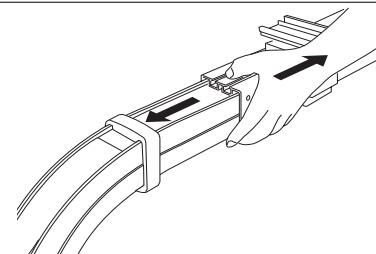
15. Unfix the plastic cover.



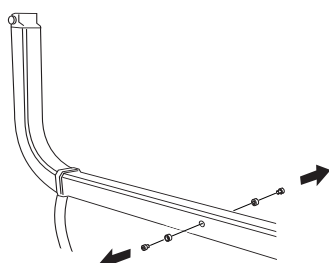
16. Unfix the aluminium holder, 2 springs and 2 Slide blocks.



17. Remove the screws from the motor plate.



18. Remove the inner mast.



19. Remove the screws and the plastic casing. Pull out the actuator.

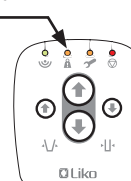
20. Push the new actuator into the inner mast. Mount the screws and the plastic casings, and reassemble in reverse order.



Make sure the friction plates on the inner mast and the mast are in place. If not; replace with Spare Part No. 20090072 Friction plates 2,8-3,4mm.

△ NOTE

- The actuator must be tested by lifting maximum load all the way up to the highest position/through the entire lifting range.
- Check the function of the limit switches in the upper and lower position. If they are out of order, the motor will stop in the end position and the overload (orange light) lights on the display.
- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.



Assembly Instruction Monteringsanvisning

Prod. No. 20090080

3SE690208-01
2011-09-23

Contains:

① Front fork locking light

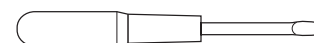
② Nut M6LM M10 ISO

Qty:

4    

4    
Fits 75 mm Wheels and 100 mm Wheels on:

Golvo
LikoLight
Viking
RollOn

Tools required


16 mm


△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

Assembly Instruction Monteringsanvisning

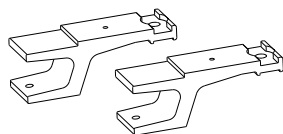
Prod. No. 20090081

3SE690209-01
2011-09-28

Contains:
Qty:

Fork

2



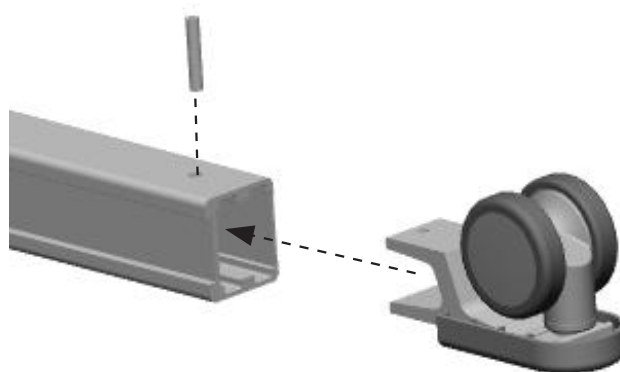
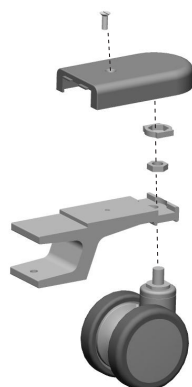
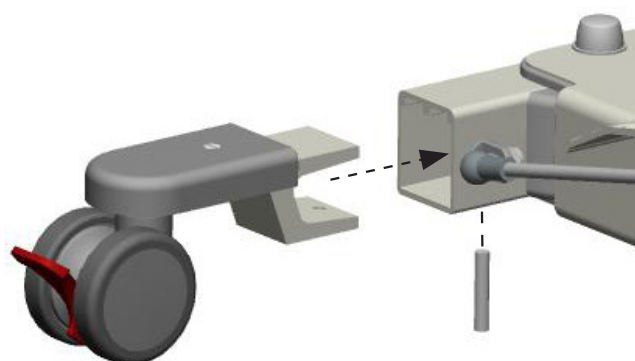
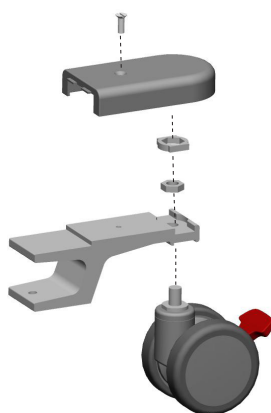
Fits:	Front Wheel:	Rear Wheel:
Golvo	X	X
Golvo LowBase	-	X
LikoLight	X	X
Viking XL	X	-
Viking L	X	-
Viking M	X	X
Viking S	X	X
Viking XS	X	X
RollOn	X	X

Tools required


16mm



4 mm

Assembly on front wheel:

Assembly on rear wheel:

NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

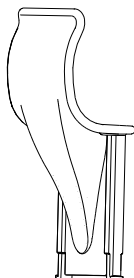
Assembly Instruction Monteringsanvisning

Prod. No. 20090082

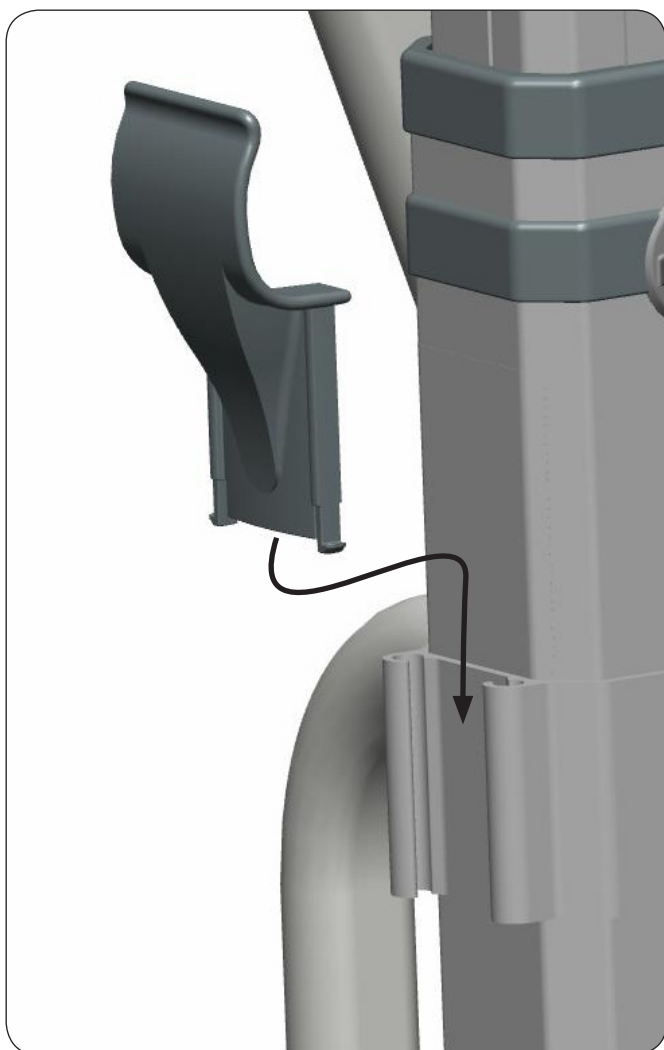
3SE690204-01
2011-09-20

Contains:
Parking bracket

Qty:
1



Fits:
Golvo
FreeSpan
FreeStand



△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

Assembly Instruction Monteringsanvisning

Prod. No. 20490052

3SE690210-01

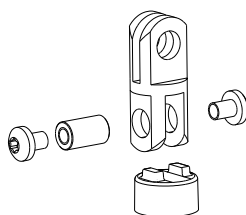
2011-09-26

Contains:

Slingbar bolt casing R2R
Slingbar Adapter
Threaded casing M6 10x16,5
Screw MRT M6x8 Ezloc A2

Qty:

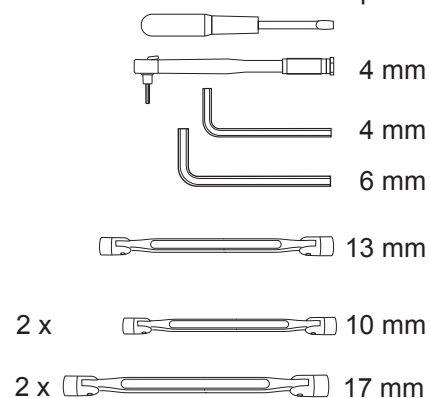
1
1
1
2



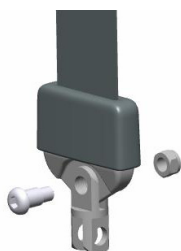
Fits:

Golvo (all models)
Uno 200
LikoLight
Viking L, M, S, XS
Universal Slingbar 350 / 450 / 600

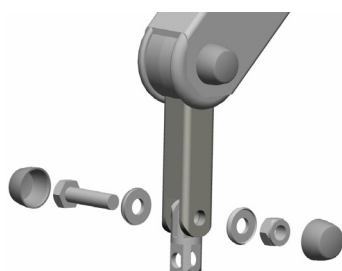
Tools required



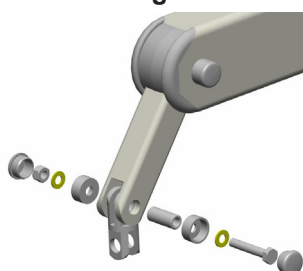
Golvo



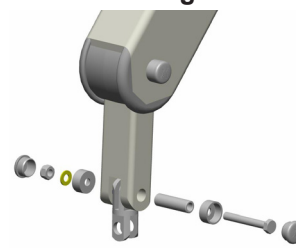
Uno 200



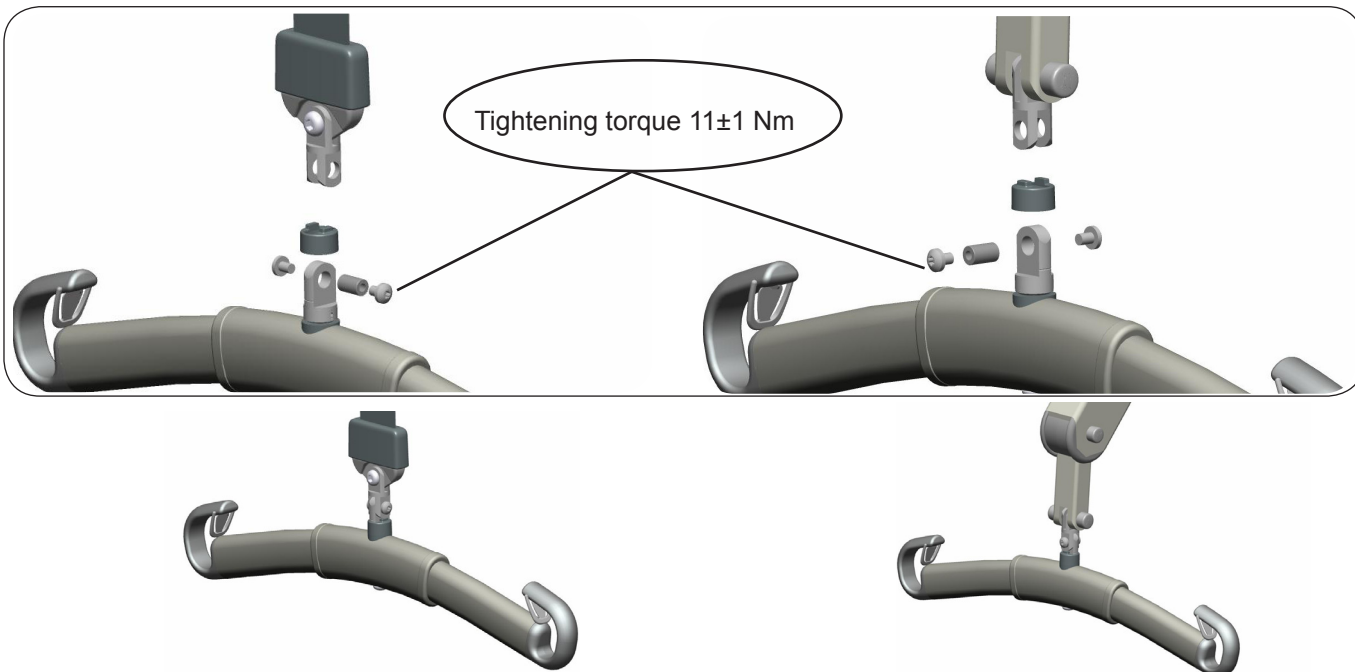
LikoLight



Viking



Tightening torque 11±1 Nm



NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

Assembly Instruction Monteringsanvisning

Prod. No. 20090085, 20090087

3SE690212-01
2011-09-26

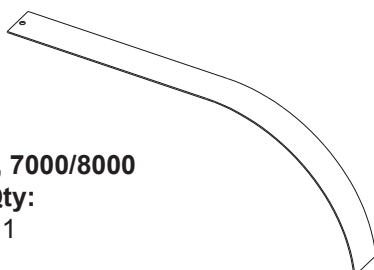
20090085 Lift strap Cover Strip, 7007/8008
Contains:

Lift strap Cover Strip, Golvo

Qty:

1

Fits:

Golvo 7007
Golvo 8008

20090087 Lift strap Cover Strip, 7000/8000
Contains:

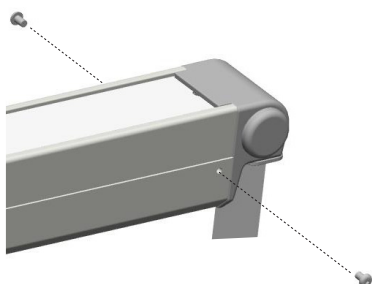
Lift strap Cover Strip, G

Qty:

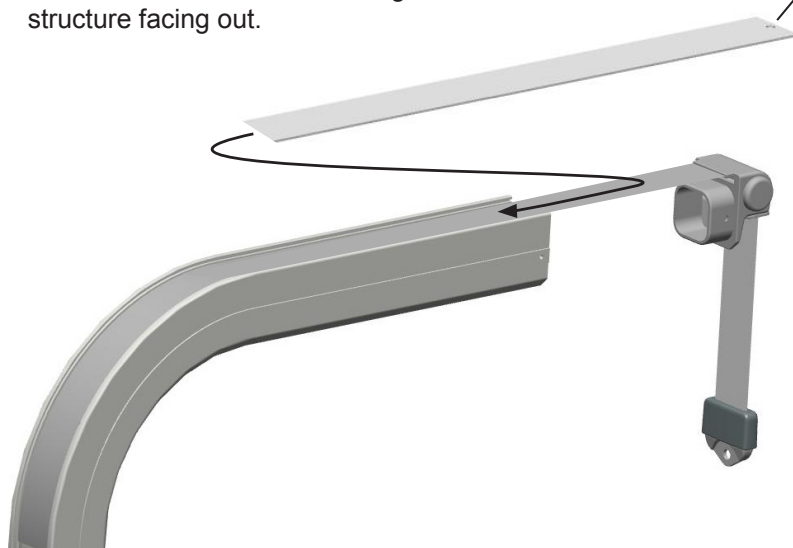
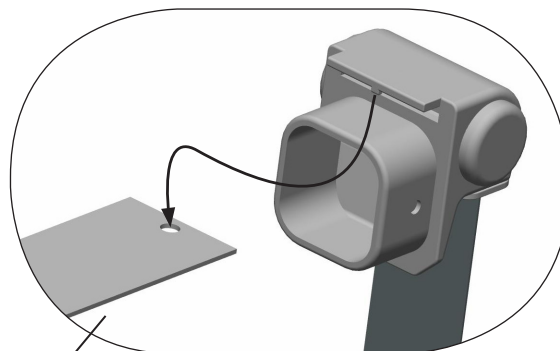
1

Fits:

Golvo 7000
Golvo 8000

Tools required


Slide the Lift strap Cover strip in the groove of the mast.
Assemble the side with the rough structure facing out.


△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

Assembly Instruction Monteringsanvisning

Prod. No. 20490057

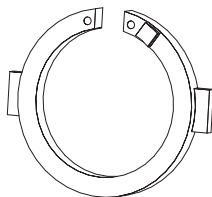
3SE690231-02
 2013-01-17

Contains:

Locking Ring

Qty:

10



Fits:

Viking M

Viking L

Viking XL

Golvo 8000

Golvo 8008

Golvo 8008 LowBase

Prod No.

2040035

2040034

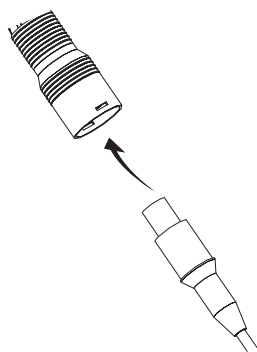
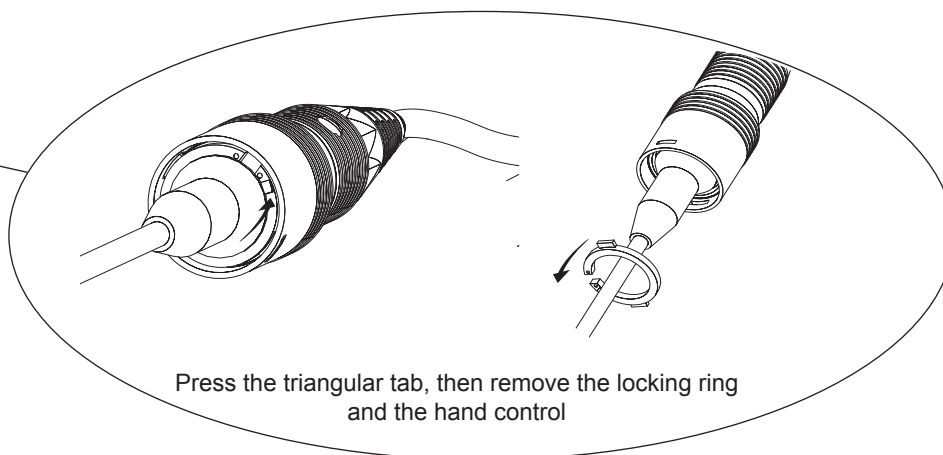
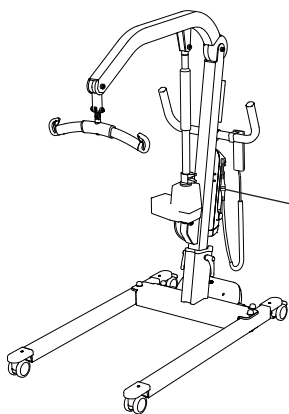
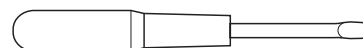
2040033

2000034

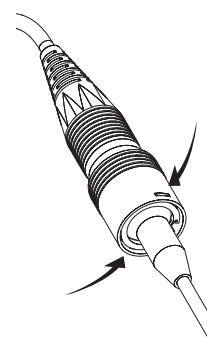
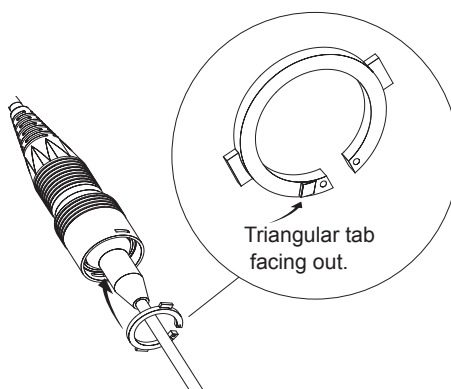
2000035

2000039

Tools required



Connect the Hand control.



Make sure the rectangular tabs at the locking ring are fixed.

△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

PARAMETER Code Key

6.1

Liko Diagnostic System™ (operating data) is stored in Control Unit CBL

Parameter:	Information:
TAAxT [Ah]	Totally Accumulated Amphours (current x time)
TAAxTR [Ah]	Totally Accumulated Amphours, resetable (current x time) Can be reset by the manufacturer.
PAAxT [Ah]	Periodically Accumulated Amphours (current x time) Calculated continuously from the moment the lift is used until the first service.
PAKT [Months]	Periodically Accumulated Calendar time. Calculated between services.
TADT [Hours]	Totally accumulated drive time.
AAS [Starts]	Accumulated starts. The number of lifting motions counted from the moment the lift was used the first time.
ASERV [Services]	Accumulated services Number of performed service events made using LSS or LDS.
IMED [A]	Average power consumption during TADT. Overall accumulated operating time.
ALA [Charges]	Accumulated number of started chargings.
AALA [Charges]	Accumulated number of completed chargings
AOLA [Charges]	Accumulated numbers of not completed charging. Counts each disrupted charging event.
AABT [Removals]	Accumulated number of battery replacements. Counts each battery replacement where a used battery is replaced.
AEUP [Endpos. up]	Accumulated number of end positions during lifting motion up.
AFSERV [Services]	Accumulated number of reset Service Number of "Clear Service" performed manually.
AEDWN [Endpos. down]	Accumulated number of end positions during lifting motion down.
SFSTAT	N/A (This funktion is not in use)
IDNR	Identity number of the control box.
AOLUP [Overloads]	Accumulated number of stops due to overload.
PADT [Hours]	Periodically accumulated operating time.
IMED 20 [A]	Average current consumption. Recounted for each lifting motion (up) which lasts more than 20 seconds.
ELT [Ah]	TAAxTR limit (constant) for ELT indication.
ELTCNT [Commands]	Number of ELT resets (only performed at replacement of actuator).
CLIM_1 [A]	Current limit for lifting motion (up).
CLCT [ms]	Maximum allowed time to override CLIM_1 before cut-off
CLIM_2 [A]	Current limit for widening motion (base-width adjustment).
SINTT [Months]	Indicates service intervals in calendar months.
SINTAS [Ah]	AxT limit for service event. (current x time)
CYCLET [Hours]	Cycle time is a constant for a medium driving cycle.
PAOLUP [Overloads]	Periodic accumulated number of stops due to overload.



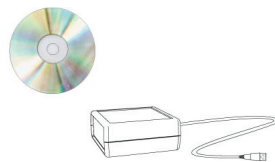
Control Unit CBL

- The information listed above is stored in the Control Unit CBL.
- Replacing the Control Unit CBL without using the LSS may cause some data loss as this data is recordable by LSS and a computer. When data is stored in Liko database it can be retrieved if needed.
- Resetting the Service Interval using the LSS, LDS or Manually, will reset the Accumulated Amp-hours (PAAxT), Accumulated Time (PAKT), Accumulated Operating Time (PADT) and Accumulated number of stops due to overload (PAOLUP).

RESET SERVICE INTERVAL PARAMETERS

6.2

After the Periodic Inspection has been performed Service Light and Service Interval Parameters* in the Liko Diagnostic System™ has to be reset. Reset can be done using **one** of the following Service Tools/Methods:

Prod. No. 21090024	1. Liko Service System, LSS (Requires a computer) <i>Read and store the data from the Control Unit CBL into a computer. Data can also be transferred to a Liko Server. Can also reset the ELT-light (Expected Life Time). Use when Periodic Inspection or Preventative maintenance is performed.</i> <i>Service Documents for the lift can be printed. Use for tracking and and transfer data when Spare Parts are changed.</i>	
Prod. No. 21090016	2. LDS Service (LDS) <i>Reads the data from the Control Unit CBL. Use when Periodic Inspection or Preventative maintenance is performed.</i>	
-	3. Manual Service <i>Resets the Service Interval Parameters*.</i> △ Service Interval Parameters should only be reset after a complete Periodic Inspection <i>Use the following combination of buttons on the control panel:</i> A: Press and hold button 1 & 2 B: While holding 1 & 2, press button 3, and hold all three buttons for three seconds. <i>(Works from Item No: CBL20001-05 on CBL (see label on CBL))</i>	

IMPACT ON PARAMETERS

Changes of parameters when LSS, LDS or Manuel Service reset has been used:

Parameter:	1. LSS:	2. LDS:	3. Manual Service:	Check Points in PM ***
Service Light *	Unlit	Unlit	Unlit	
TAAxT	unchanged	unchanged	unchanged	x ***
TAAxTR	unchanged	unchanged	unchanged	
PAAxT **	0	0	0	x ***
PAKT **	0	0	0	
TADT	unchanged	unchanged	unchanged	
AAS	unchanged	unchanged	unchanged	x ***
ASERV	+1	+1	unchanged	x ***
IMED	unchanged	unchanged	unchanged	x ***
ALA	unchanged	unchanged	unchanged	x ***
AALA	unchanged	unchanged	unchanged	x ***
AOLA	unchanged	unchanged	unchanged	x ***
AABT	unchanged	unchanged	unchanged	x ***
AEUP	unchanged	unchanged	unchanged	x ***
AFSERV	0	0	+1	x ***
AEDWN	unchanged	unchanged	unchanged	x ***
SFSTAT	N/A	N/A	N/A	
IDNR	unchanged	unchanged	unchanged	x ***
AOLUP	unchanged	unchanged	unchanged	x ***
PADT **	0	0	0	x ***
IMED20	unchanged	unchanged	unchanged	
ELT	unchanged	unchanged	unchanged	
ELTCNT	unchanged	unchanged	unchanged	
CLIM1	unchanged	unchanged	unchanged	
CLCT	unchanged	unchanged	unchanged	
CLIM2	unchanged	unchanged	unchanged	
SINTT	unchanged	unchanged	unchanged	
SINTAS	unchanged	unchanged	unchanged	
CYCLET	unchanged	unchanged	unchanged	
PAOLUP **	0	0	0	x ***

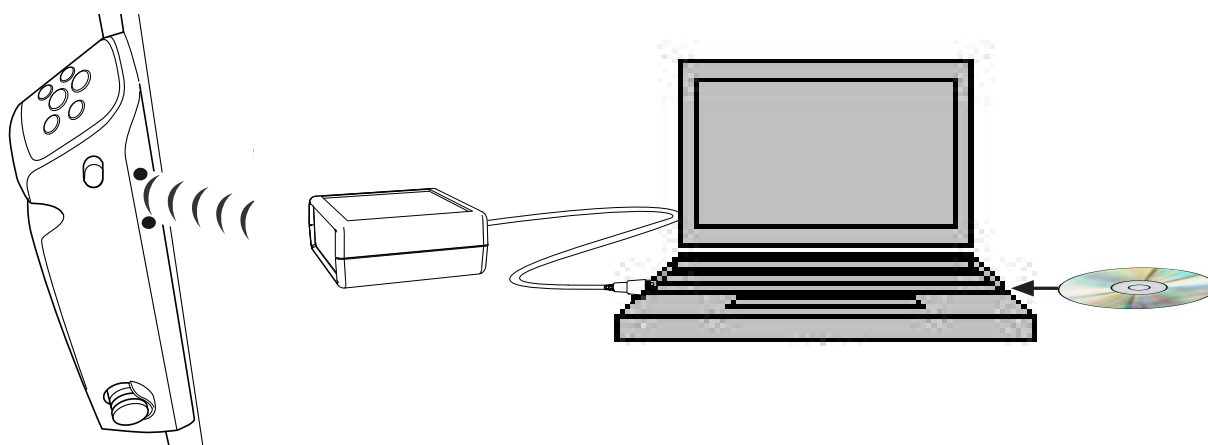
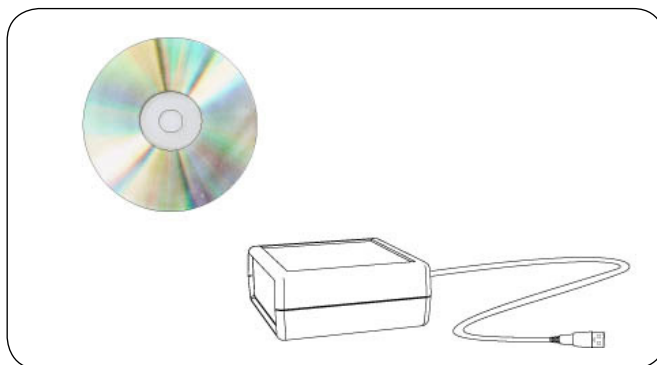
* Indicates Service Periodic Inspection interval reached.

** Service Interval Parameters (the PAAxT, PAKT, PADT and PAOLUP are all used to determine Service intervals)

*** Parameters to use in the Preventative Maintenance

Liko Service System LSS

Prod. No. 21090024



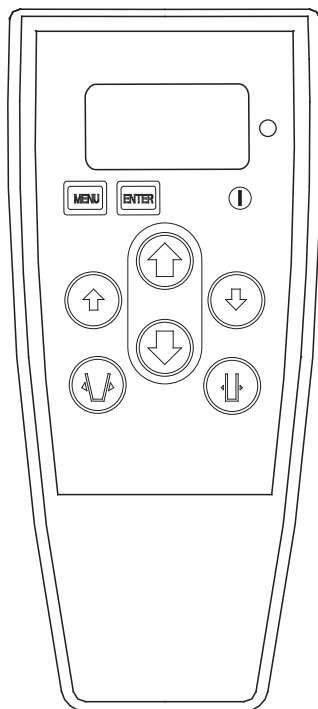
Product Description

Liko Service System is a software developed to enable service technicians to conduct service in an easy way on all lifts equipped with the control unit CBL 20. It also gives the service technician the possibility to program the spare part on the field.

Detailed information can be found in the instruction guide accompanying the product.

Liko Diagnostic System - Service LDS

Prod. No. 21090016



Product Description

Liko lifts equipped with LDS (Liko Diagnostic System™) record and store information on how the lift is used. LDS Service is a reader for LDS information stored in a lift.

The LDS Service can be used as hand control to operate Liko's IR controlled lifts equipped with LDS.

LDS Service is specially developed for Liko's authorized service technicians to reset the LDS service interval after completed service/periodic inspection.

Detailed information can be found in the instruction guide accompanying the product.



A **Hill-Rom** Company

Periodic Inspection

	Golvo 8000	Golvo 8008	Golvo 8008 LowBase	Golvo 8000 Classic	Golvo 8008 Classic
Prod. No.	2000014	2000015	2000019	2000024	2000025
	2000034	2000035	2000039		

Output (TAAxT): Ah

(Use Liko Service System or Liko Diagnostic System to read data from the CBL)

Lift type:

Prod. No:

Serial No:

Prod. Year:

Customer references

Agreement No:

Name:

Address:

Post code:

The lift must be thoroughly inspected when the Service Light at the Control Unit CBL illuminates, or at least once per year. Viking with other control unit shall be thoroughly inspected at least once per year. Inspection and service must be carried out by Hill-Rom/Liko authorized personnel. Instructions for check points, from the next page.

Check points:

	Approved	Not approved	To be actioned
1 Product decal	☐	☐	
2 Visible damage to the lift surface finish	☐	☐	
Base			
3 Castor wheels and forks	☐	☐	
4 Castor brakes	☐	☐	
5 Stop screw	☐	☐	
6 Base opening and closing	☐	☐	
7 Base attachment secure screw	☐	☐	
Mast			
8 Armrest	☐	☐	
9 Lift arm hardware and covers	☐	☐	
10 Lift strap	☐	☐	
11 SlingBar and latches	☐	☐	
12 Battery and electrical cable installations	☐	☐	
13 Hand control IR and operation panel	☐	☐	
14 Emergency stop function	☐	☐	
15 Control Unit CBL	☐	☐	
16 Charger function	☐	☐	
Load Testing			
17 Mast Max. load test	☐	☐	
18 Base Max. load test	☐	☐	
19 Mechanical emergency lowering load test	☐	☐	
Documentation			
20 Instructions / Instruction guide	☐	☐	
21 Clear Service (Control Unit CBL)	☐	☐	

Approval to use the mobile lift

☐ Approved

☐ Not approved

Not approved:

If the mobile lift has one or more check points with result "Not approved" the mobile lift must not be used.

To be actioned:

Actions according to the "Instructions for the check points" should be performed immediately. After performed actions sign below. If anything is unclear or if you have questions, please contact Hill-Rom/Liko or your local Hill-Rom/Liko representative. Contact information is to be found at www.liko.com.

Inspection performed by:

Date:

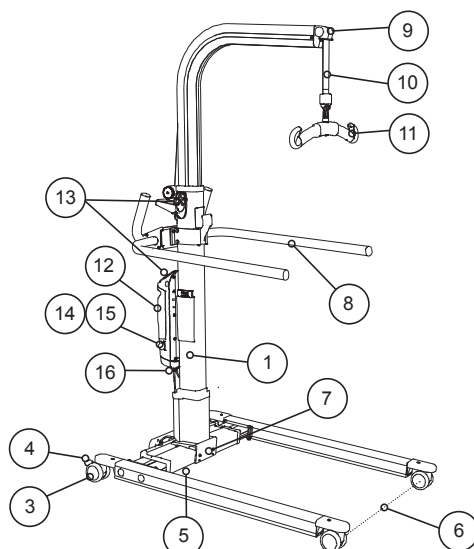
Final approval by:

Approval date:

Next inspection:

Inspection performed in accordance with ISO 10535:2006 Annex B- Periodic inspection

Instructions for the check points



1 Product decal

- Verify presence of mast decal with model type and serial number.

2 Visible damage to the lift base and mast surface finish

- Check for scratches, dents, deformities or unusual surface wear.

3 Castor wheels and forks

- Roll the lift, unloaded and with load, along the floor. Check to ensure that all castors roll and turn freely.
- Verify that the castor fasteners are tight. There should not be any play between the fork and the castor nut.

4 Castor brakes

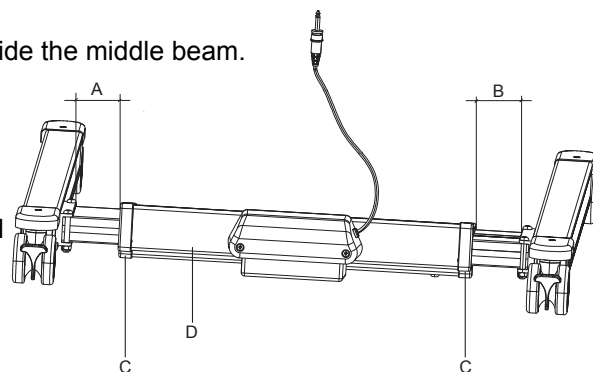
- Lock the brakes. Make sure the wheels do not turn and the castor housing does not swivel when the lift is pushed.

5 Stop screw

- Verify that the K6S M8x16 screw is secured with a nyloc nut inside the middle beam.

6 Base opening and closing

- Inspect telescoping insert beam for scratches/gouges
- Inspect that all hardware is tight.
- Verify max. & min. dimensions, according to the Service manual
- The distance A & B must be the same.
- The cover profiles (C) must be fixed to the middle beam (D).



7 Base attachment secure screw

- Verify that both locking screws are tight in base. In the upper holes on the mast.
- **Note! Do not place any screws in the lower holes!**

8 Armrest

- Check for unusual scratches, dents or deformations.
- Verify that both arms rotate freely and hang vertically when not in use. (Not Golvo Classic)
- Rotate arms to raised position. (Not Golvo Classic)
- Rotate arms to raised position, load the armrest with (40 kg/88 lbs). (Not Golvo Classic)

9 Lift arm hardware and covers

- Inspect plastic lift arm cover for cracks and verify edges of cover are secured in groove of aluminium arm.

10 Lift strap

- Using the hand control, lower the strap to its maximum extension. Inspect the belt for frayed edges, heavy wrinkles or wear through areas.
- Verify that Lift strap joint is secure on strap. Slide plastic cover off the Lift strap joint and visually inspect that the lift strap safety pin is seated secure in the middle recess of the Q-link.

Instructions for the check points

11 SlingBar and latches

- Visually inspect the sling bar to detect any scratches, sharp edges or deformities.
- Check that the unit rotates freely on its bearings.
- Make sure both latches clips are mounted and fall back against the body of the sling bar.
- Verify that the sling bar fasteners are tight.

12 Battery and electrical cable installations

- Inspect that the cable cover is mounted correctly.
- Verify that all cables are properly inserted. Re insert if uncertain.
- Make sure the charge cable hook is mounted at the mast.

13 Hand control IR and operation panel

- With the emergency stop out, verify that all functions on the hand control and the operation panel are working.

14 Emergency stop function.

- Press in the emergency stop button. With the emergency stop pressed in, verify the lift does not operate with the handcontrol buttons.
- Turn the red emergency button in the direction of the arrows. Verify the button releases from the locked position into the raised, open position.

15 Control unit CBL20

- With the emergency stop out, verify the function of the electrical emergency-lowering device at the operation panel.

16 Charger function

- With the emergency stop out, insert the charger cable into a power outlet (110-240V). The lamps should blink alternately (orange/yellow/green) during charging.

17 Mast Max. load test

- Run the lift with maximum load (205 kg / 450 lbs), all the way up and down.
- Press right / left side to widen the base with maximum load.
- Make sure all four wheels have contact with the floor.
- Listen for peculiar noises and vibrations.

18 Base Max. load test

- Run the undercarriage (base) in and out with maximum load (140 kg / 308 lbs).

19 Mechanical emergency lowering load test

- Raise with maximum load (205 kg/450 lbs) and with (50 kg/110 lbs) until the mast is parallel to the ground.
- Lift red emergency handle upwards and hold.
- After overcoming the internal mechanical brake, verify that the load lowers to the ground.

20 Documentation

- Instructions / Instruction guide
- Quick Reference Guide shall be placed in the intended holder on the mast.

21 Clear Service (Control Unit CBL)



Service indicator (orange light)
- Illuminates when service is needed.

When the Periodic Inspection has been performed, reset the service indicator on the Control Unit CBL.

Use LSS, LDS or Manual Service according to instructions "Reset Service Interval Parameters" in the Service Manual.

Preventative Maintenance



A Hill-Rom Company

	Golvo 8000	Golvo 8008	Golvo 8008 LowBase	Golvo 8000 Classic	Golvo 8008 Classic
Prod. No.	2000014	2000015	2000019	2000024	2000025
	2000034	2000035	2000039		

Customer references

Lift type:
 Product No:
 Serial No:
 Prod. Year:

Agreement No:
 Name:
 Address:
 Post code:

Use Liko Service System (LSS) or Liko Diagnostic System (LDS) to read data from Control Unit CBL. If you don't have the LSS, write down the values in the columns below. (With LSS you can store data)

TAAxT	Ah
PAAxT	Ah
AAS	Starts
ASERV	Times
IMED	mA
ALA	Charges
AALA	Charges
AOLA	Charges

AABT	Removals
AEUP	EposUp
AFSERV	Services
AEDWN	EposDn
IDNR	
AOLUP	OverLoads
PADT	Hours
PAOLUP	OverLoads

To ensure maximum life cycle, Preventative Maintenance should be carried out according to how much the lift has been used TAAxT (Totally Accumulated Amphours) or according to years in use, see table below. Inspection and service must be carried out by Hill-Rom/Liko authorized personnel.

Check points:

Maintenance according to used TAAxT (Ah):

Maintenance according to years of use:

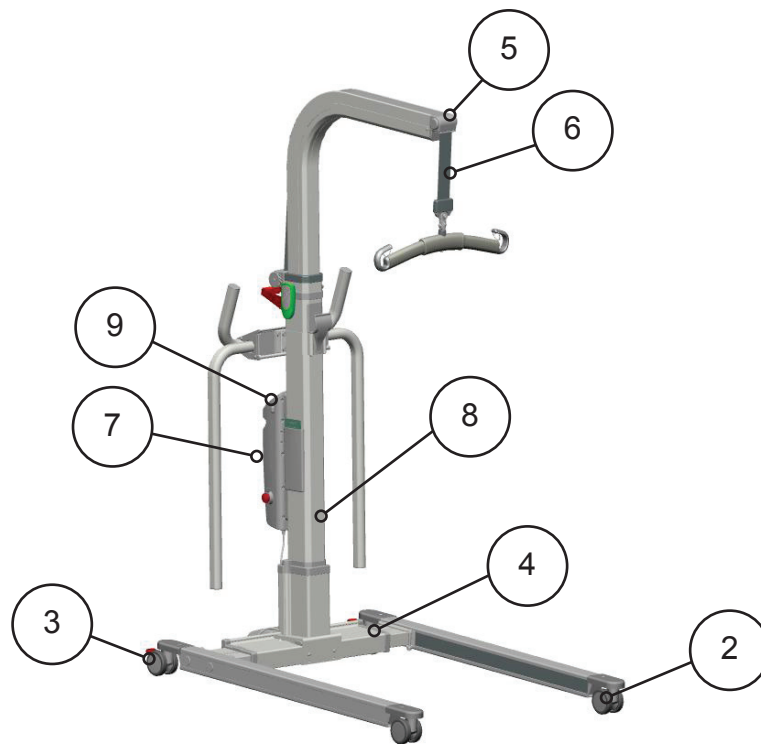
Maintenance according to used TAAxT (Ah):		140	280	420	560	700					
Maintenance according to years of use:		1	2	3	4	5	6	7	8	9	10
1	Surface treatment.....	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2	Front castors	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
3	Rear castors / brakes	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4	Base opening and closing	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5	Lift arm covers.....	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6	Lift strap.....	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7	Battery	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8	Actuator replaced	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9	Control Unit CBL.....	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Lubricate with PTFE or silicon grease

When maintenance is performed; mark specified square with "X"
 When part is replaced; mark specified square with "R"

Interval/Month: _____ Date: _____ Serviced by: _____

Check points



Instructions regarding the check points for Golvo 8000/8008

1 Surface treatment



1. Visually inspect the mast and base for external damage or wear.

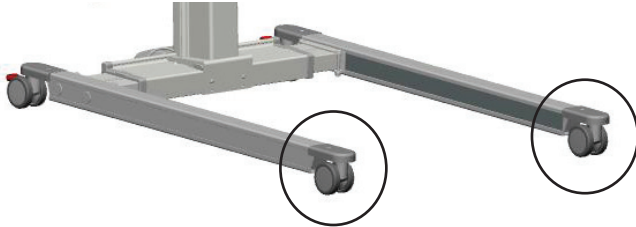
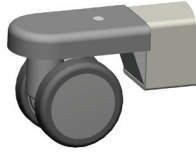
If needed, clean the patient lift with warm water or ethanol.

Warning!

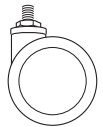
Do not use chemicals containing phenol or chlorine, since the aluminium parts may be damaged.

Instructions regarding the check points for Golvo 8000/8008

2 Front castors

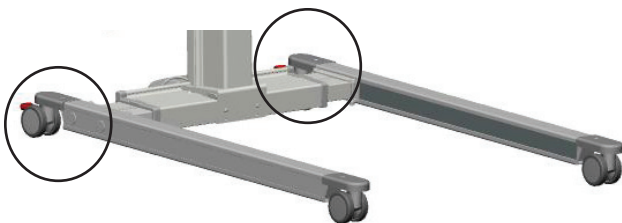


1. Check and clean front castors.
2. If wheels are in poor condition, replace them with Spare Part No. 20490014 (Front Castors to Golvo LowBase are included in Spare Part No. 20090071 Low base kit Golvo 7007/8008)

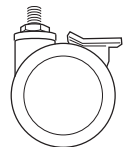


Front castors needs to be replaced after: 700 Ah
or
Replace according to years in use: 10 years

3 Rear castors / brakes



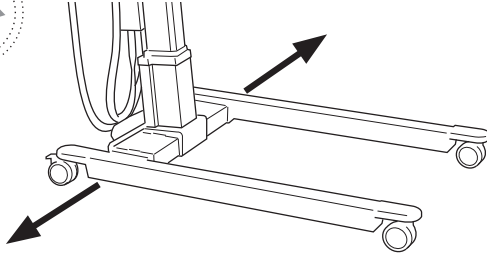
1. Check and clean rear castors.
2. If wheels are in poor condition, replace them with Spare Part No. 20490015



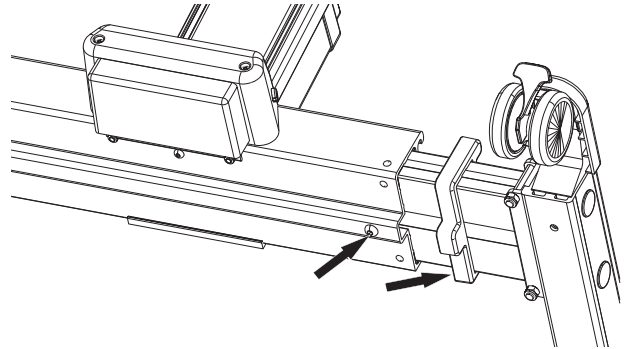
Rear castors needs to be replaced after: 700 Ah
or
Replace according to years in use: 10 years

Instructions regarding the check points for Golvo 8000/8008

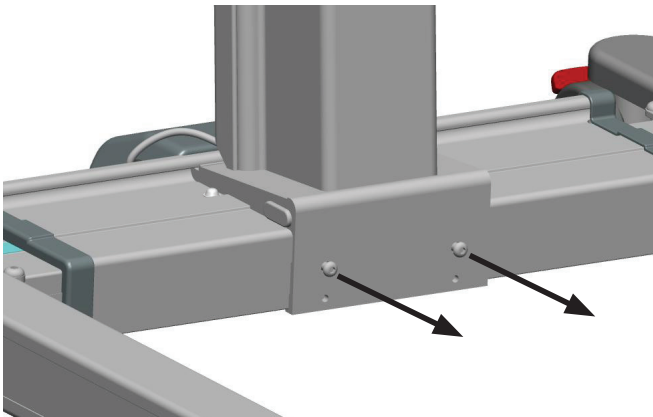
4. Base opening and closing



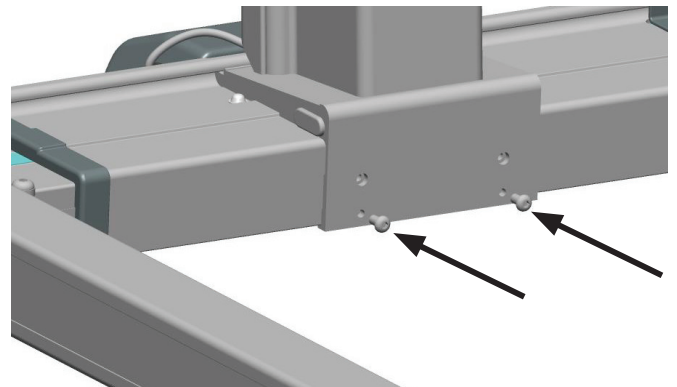
1. Adjust the legs in to wide position.



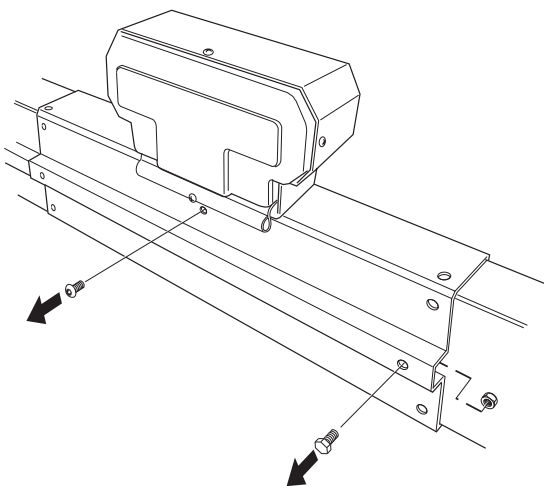
2. Disassemble the cover profiles and the stop screw.



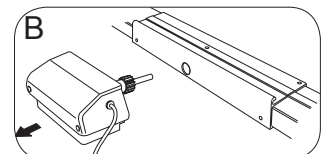
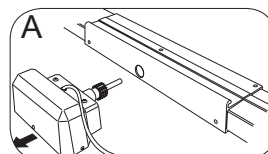
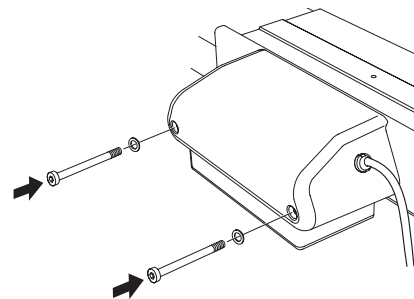
3. Remove mast attachment screw from upper holes and place in lower holes.



4. Remove the mast from the base by tightening the screws against the base.



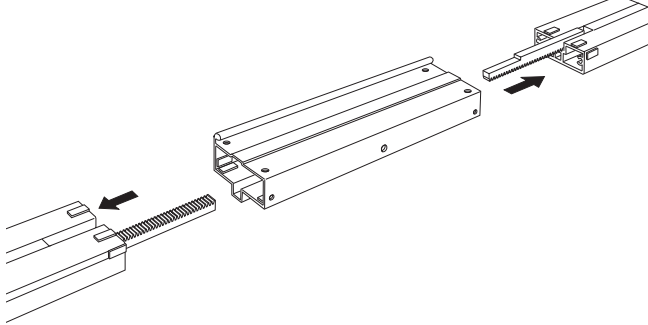
4. Remove plastic cover. Remove the stop screw and nut. Remove base motor attachment screw.



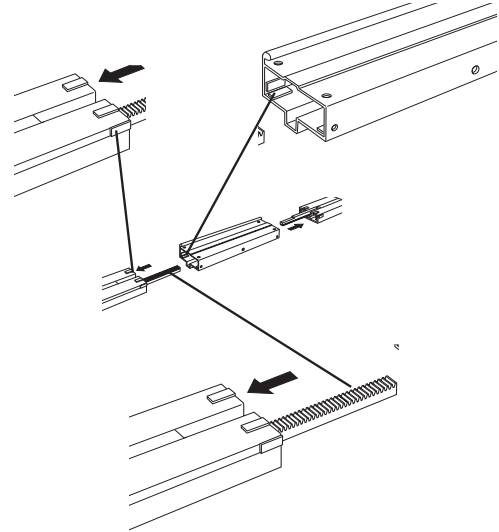
5. Remove base motor from middle beam.

Instructions regarding the check points for Golvo 8000/8008

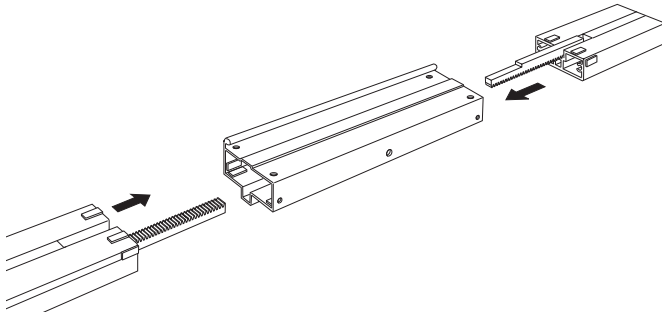
4. Base opening and closing



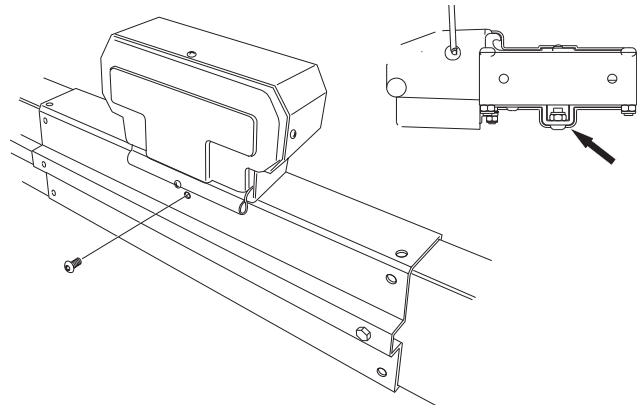
6. Pull out the middle beam inserts.



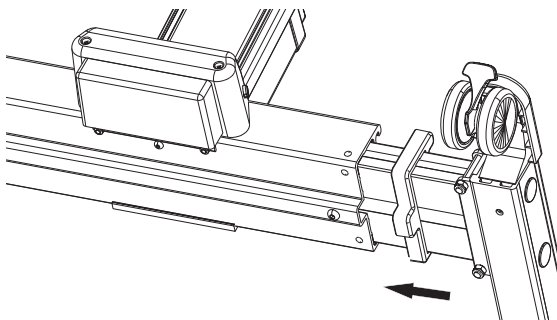
7. Inspect gear rack for worn teeth and cracks where stop nut contacts back surface (see arrow). Inspect friction plates. Replace if worn or damaged. Spare Part No. 20090038 Gear rack set, and 20090072 Friction Plates 2,8-3,4 mm



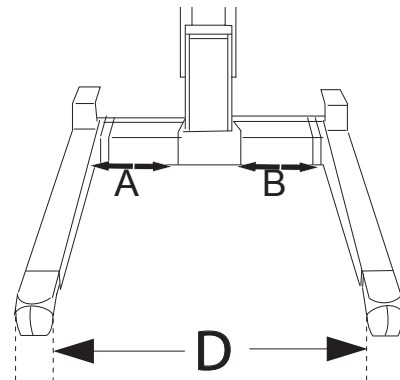
8. Clean the friction plates/sliding surface and lubricate with PTFE grease. Reassemble middle beam.



9. With middle beam at full extension, insert base motor. Verify the stop screw is tight and the nut is in the correct orientation. The flat of the hex must be positioned parallel with the end of the gear rack.



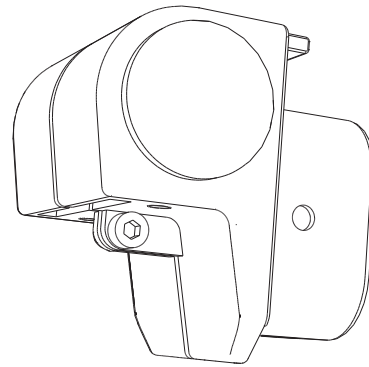
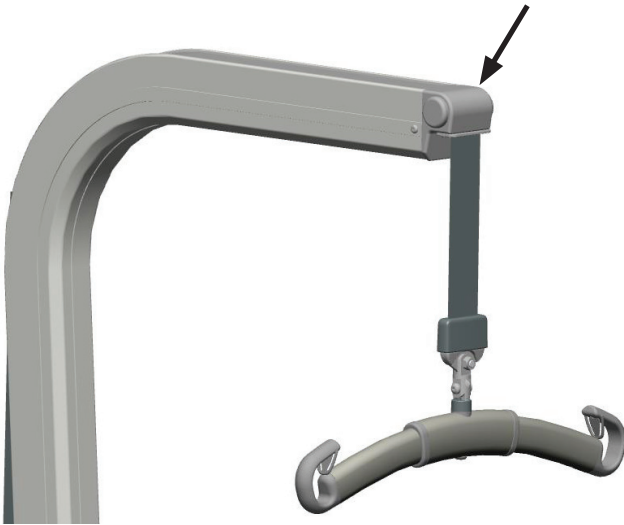
10. Reassemble the mast and the middle beam to legs. Slide middle beam inserts in until the gear rack touches the drive shaft gear.
Note: Do not engage gear rack!



11. To set base width start base motor while applying inward force on both legs. After the upper and lower gear rack engage with the base motor drive gear, both legs will retract. Verify that distance A & B are equal.

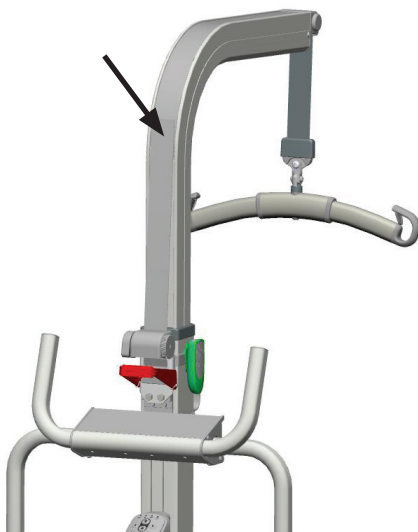
Instructions regarding the check points for Golvo 8000/8008

5. Lift Arm Covers



1. Check to ensure that Roll Frame Attachment covers are not damaged.

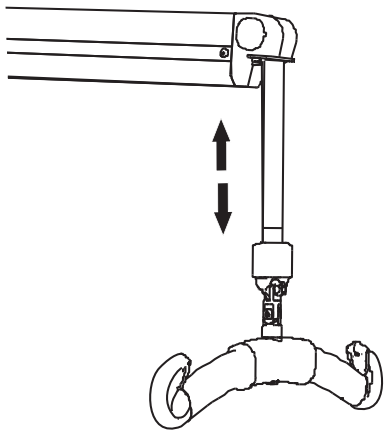
2. If damaged, the Roll Frame must be replaced.
Spare Part No. 20090064
Replace according to assembly instruction.



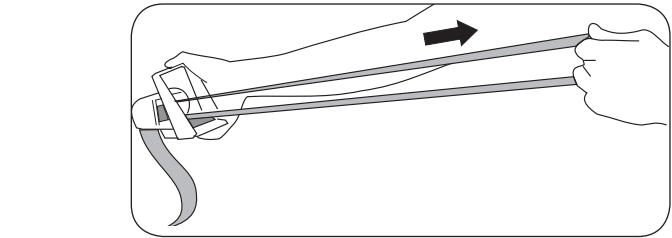
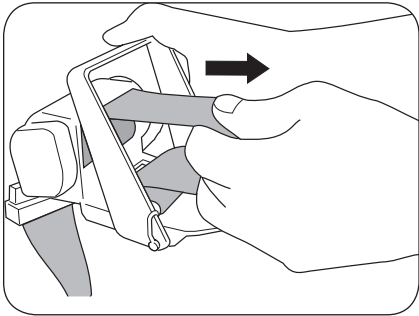
3. Check to ensure that lift strap cover is not damaged.
Verify that the cover is positioned inside the grooves of the mast.

Instructions regarding the check points for Golvo 8000/8008

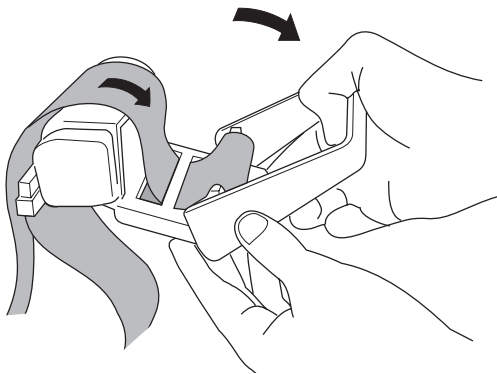
6. Liftstrap



1. Check the lift strap by driving the lift up & down.

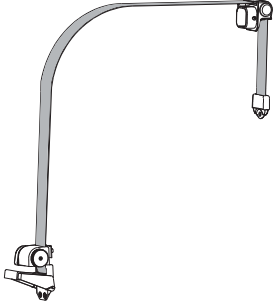


2. Check the strap inside the emergency lowering device.

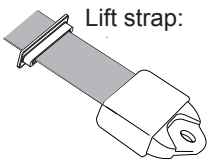


3. Push the emergency lowering handle down and pull the strap away.

Easy strapper:



Lift strap:

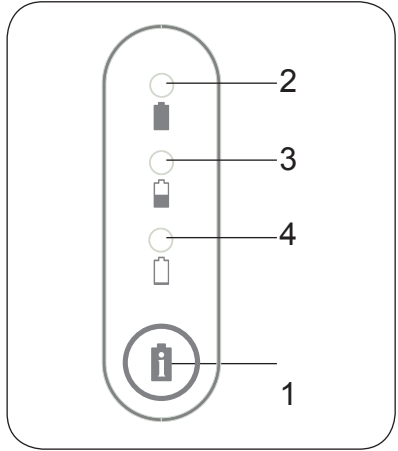


4. If the lift strap is damaged or worn, it should be replaced with lift strap according to Spare Parts List and assembly instruction for the spare part.

Liftstrap needs to be replaced after:	280 Ah	and	560 Ah
or			
Replace according to years in use:	4 years	and	8 years

Instructions regarding the check points for Golvo 8000/8008

7. Battery



Battery capacity

Check battery capacity by pressing the i button (1).

The following information is displayed:

2 – Green light: More than 50% of battery capacity remaining.

3 – Yellow light: 25% -50% of battery capacity remaining.

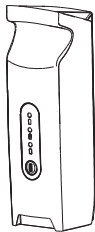
4 – Yellow light: 0% -25% of battery capacity remaining.

The indicator lamps light for about 30 seconds before switching off.

Battery capacity is also displayed during lift operation.

Maximum charge is reached after about 5 hours. When the batteries are fully charged, the charger switches automatically to maintenance charging.

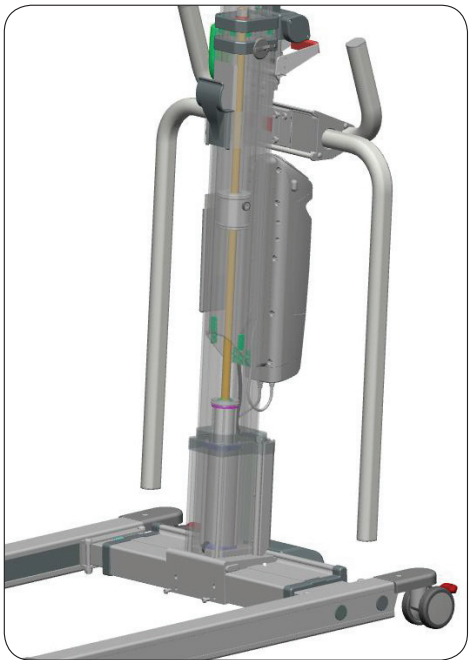
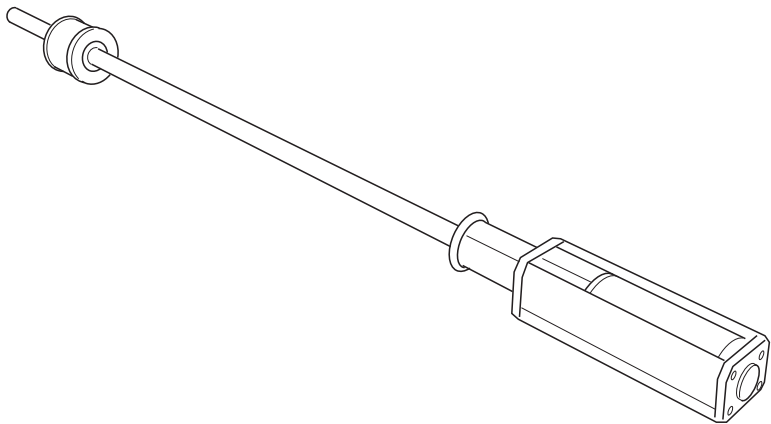
The lamps blink alternately (yellow/yellow/green) during charging. A blinking green lamp indicates that charging is complete. When operating time is noticeably shorter than normal, the batteries should probably be replaced. Discontinue charging and replace the batteries with Product No. 2006107 Extra battery box.



Batteries needs to be replaced after:	280 Ah	and	560 Ah
or			
Replace according to years in use:	4 years	and	8 years

8. Actuator

Replace the actuator with Spare Part No. 20090078



Actuator needs to be replaced after:	700 Ah
or	
Replace according to years in use:	10 years

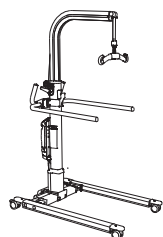
Instructions regarding the check points for Golvo 8000/8008

9 Control Unit CBL

Use LSS or LDS to check that the correct current limit is programmed in CBL20:

CLIM_1 Power limit for lifting motion (up) (actuator)	CLIM_2 Power limit for widening motion (base motor)
8,2 [A]	6 [A]





Prod. No.	2000014	Golvo 8000
	2000015	Golvo 8008
	2000019	Golvo 8008 LowBase
	2000024	Golvo 8000 Classic
	2000025	Golvo 8008 Classic

Golvo with fixed hand control:

Prod. No.	2000034	Golvo 8000
	2000035	Golvo 8008
	2000039	Golvo 8008 LowBase

2012-11-16

Changes	Model 2000014 from S/N:	Model 2000015 from S/N:	Model 2000019 from S/N:	Model 2000024 from S/N:	Model 2000025 from S/N:	Model 2000034 from S/N:	Model 2000035 from S/N:	Model 2000039 from S/N:	Proj.
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2013

New models of Golvo with fixed handcontrol on CBL20 control unit, are introduced.						5 460 001	5 560 001	5 660 001	1707
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2010

New models of Golvo with CBL20 control unit, are introduced.	5 000 000	5 100 001	5 200 001	5 220 001	5 240 001				490
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A  Company

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